OIPE

RAW SEQUENCE LISTING DATE: 12/06/2001 TIME: 10:40:04 PATENT APPLICATION: US/09/837,751

Input Set : A:\45-00.app

Output Set: N:\CRF3\12062001\1837751.raw



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3 <110> APPLICANT: Green, Allan
         Singh, Surinder
         Liu, Qing
 7 <120> TITLE OF INVENTION: Method of Modifying the Content of Cottonseed Oil
 9 <130> FILE REFERENCE: 45-00
11 <140> CURRENT APPLICATION NUMBER: 09/837,751
12 <141> CURRENT FILING DATE: 2001-04-18
14 <150> PRIOR APPLICATION NUMBER: US 60/198,124
15 <151> PRIOR FILING DATE: 2000-04-18
17 <160> NUMBER OF SEQ ID NOS: 35
19 <170> SOFTWARE: PatentIn Ver. 2.0
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24 <213> ORGANISM: Gossypium sp.
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33
35 aag etc eet tge ttt get ett eea eea aag gee aec ett aga tet eec
36 Lys Leu Pro Cys Phe Ala Leu Pro Pro Lys Ala Thr Leu Arg Ser Pro
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        15
39 aag ttt tee atg ate tee ace att eet tet gge tee aaa gag gtt ggg
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40 Lys Phe Ser Met Ile Ser Thr Ile Pro Ser Gly Ser Lys Glu Val Gly
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                        35
43 aat ctg aaa aag cct ttc acg cct cca aag gag gtg cct gtt cag atc
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44 Asn Leu Lys Lys Pro Phe Thr Pro Pro Lys Glu Val Pro Val Gln Ile
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47 acc cac tcc atg ccg cct cac aag att gag atc ttt aaa tct ttg gag
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48 Thr His Ser Met Pro Pro His Lys Ile Glu Ile Phe Lys Ser Leu Glu
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51 ggc tgg gct gag aac aac att ctg act cac ctc aaa cca gtt gag aaa
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52 Gly Trp Ala Glu Asn Asn Ile Leu Thr His Leu Lys Pro Val Glu Lys
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55 tgt tgg caa ccc gcc gac ttt ctt cca gat cct aat tct gat gga ttt
56 Cys Trp Gln Pro Ala Asp Phe Leu Pro Asp Pro Asn Ser Asp Gly Phe
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                           100
                                               105
59 cat gag caa gtc aaa gag ctt agg gaa agg gca aag gag atc cca gat
60 His Glu Gln Val Lys Glu Leu Arg Glu Arg Ala Lys Glu Ile Pro Asp
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                                           120
63 gat tac ttt gta gtt ttg gtt ggt gat atg atc acc gag gaa gcc ctt
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64 Asp Tyr Phe Val Val Leu Val Gly Asp Met Ile Thr Glu Glu Ala Leu
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67 tca act tat caa aca atg ctt aat acc ttg gat gga act cgt gat gag
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Input Set : A:\45-00.app
Output Set: N:\CRF3\12062001\1837751.raw

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77		175			-		180	_				185					
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83	att	qqa	tcg	gga	atq	gat	cct	cat	aca	gag	aat	agt	cct	tac	cga	gga	675
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85		_		-	210	•				215				•	220	-	
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				Arg	_	-	_				-						
93			240	5			-1-	245	-1-	1			250				•
	at.t.	t.at.		agc	att	acc	tca		σασ	aaσ	cac	cac	σασ	aca	acc	tat	819
				Ser													
97		255	0 -1	001			260			-1-	9	265				-1-	
	acc		atc	gtt	αаа	ааσ		ttt	σασ	att	gat		σat.	αаа	aca	at.c	867
				_	_	_	_		-							. Val	
	270	_			. 010	275			. 010		280			0_0		285	
			+++	act	σας			raac	r aad	raaa			. atα	CCC	r act	gag	915
	_	_		-	_	_	_	_	-			_	_		_	a Glu	720
105					290				, 2,2	295					300		
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																Ala	300
109	1 110		1 -	305		**** 9	1101		310					315			
	att	acc	caa			aaa	att	tac			- aao	r σac	tat			ata	1011
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113	vu.	n.u	320	_	110	. Gry	V 44.1	325				, 110 E	330			- 110	
	αta	αaα			ata	πat	caa			ata	r aan	даа				g ctt	1059
	_			_		-	_		_		_			-		, Leu	1000
117	Vul	335		, LCu	· Vul	. nop	340		נעני	, , ,	. шус	345		1110		Lea	
	tca			י מממ	cat	aaa			σας	tac	, tta			ctt	cct	tcg	1107
																Ser	110,
	350		GIU	г Өтү	лгу	355		GII	Map	, 1 <u>7 1</u>	360		Der	пес	· FIC	365	
			2072	200	++>			2072	aca				acc	aan	, daa	gca	1155
																ı Ala	1177
125	лгу	110	ALG	, AIG	370		GIU	nig	AIU	375		. Буз	niu	шус	380		
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				. Pro													1200
129	PIO	Ser	val	. PIO 385		361	ттБ	TIE	390	-	, AIA	GIU	· vai	395		•	
	† a ~	atas	taa			ta a	ga ot	ceta			+++4	ann	aaac			gaagaag	1260
																aaaaaa	
100	uul	-909	-99		9966	. ~y y	y cay	Juca	9		y y a	9-	9 9	-96		.uuuuu	1020

RAW SEQUENCE LISTING DATE: 12/06/2001 PATENT APPLICATION: US/09/837,751 TIME: 10:40:04

Input Set : $A: \45-00.app$

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) tgataatgct gtgtagtcat agtttttagt ttgcaataaa aaaaaaaaaa															1493	
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				NCE:													
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	Lys		Phe	Thr	Pro	Pro	_	Glu	Val	Pro	Val		He	Thr	His	Ser	
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		Pro	Pro	His	Lys		GLu	TTE	Pne	Lys		Leu	GIu	GLY	Trp		
161	65	.		- 1.	.	70	TT 2 _	.	T	D	75	a 1	T	a	m	80	
	GLu	Asn	Asn	шe		Thr	Hls	Leu	гàг		vaı	GIU	ьys	Cys	Trp	GIn	
164	D	31 -	3	Dh -	85	D	7	D	3	90	3	a 1	nh -	TT 2	95	01 -	
	Pro	Ala	ASP		Leu	Pro	ASP	Pro		ser	Asp	СТА	Pne		Glu	GIN	
167	37 1	T	01	100	7	a 1	7	3 I a	105	a1	T1.	D	3	110		Dha	
	Val	ьys		Leu	Arg	ĢIU	Arg		гуѕ	GIU	тте	PIO		ASP	Tyr	Pne	
170	17 1	170 1	115	37 n 3	c1	7 an	Wot	120	mbs	C1	c1	7.1 a	125	Com	mh w	M***	
173	val	130	Leu	Val	СТУ	ASP	135	116	1111	GIU	GIU	140	Leu	Ser	Thr	ıyı	
	Cln		Mot	Lou	Nan	Πh.~		N an	C1 17	mhr	λνα		Clu	mh.r	Gly	λla	
176		1111	мес	Leu	ASII	150	Leu	азр	СТУ	TIIT	155	кър	GIU	1111	GIY	160	
		T.QII	Thr	Dro	ψrn		Tlo	Trn	Thr	Δra		Trn	Thr	Δla	Glu		
179	Der	пец	1111	110	165	пти	110	115	1111	170	ALU	115	1111	нц	175	GIU	
	λen	λνα	Uic	C1 v		Τ.Δ11	T.011	Δen	T.v.e		T.011	ጥኒኒዮ	Τ.Δ11	Sar	Gly	Δra	
182	Maii	ALG	1113	180	nsp	пец	пец	ASII	185	- y -	шеи	1 Y 1	шeu	190		nrg	
	Va 1	Δen	Met		Gln	T1e	Glu	Arσ		Tle	Gln	Tur	T.e.u		Gly	Ser	
185	· u ·	nsp	195	111.9	01	110	OIU	200	1111	110	0111	-1-	205	110	GII	DCI	
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	asa		Ara	Asp	Tyr	Asn	-	Phe	Asp	His	Tyr		Ala	Val	Ala	Gln	
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DATE: 12/06/2001 TIME: 10:40:04 RAW SEQUENCE LISTING PATENT APPLICATION: US/09/837,751

Input Set : A:\45-00.app
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	Pro		Ser	Trp	Ile	Phe	Asp	Ara	Glu	Val	Lvs						
	385					390		5			395						
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238						мес 1	GIY	Ата	СТУ	GLY	ALY	мес	PIU	116	10	GIY	
	2+2	224	~~~	~~~	t	_	~~~	+	at a	+		~++	000	2+0		224	159
					aat Asn												100
241	116	гуѕ	GIU	15	ASII	AIG	Сту	ser			ALY	vai	PIO	25	Gru	гуѕ	
	aa+	~~~				~~+	~~~	.+.	20	,	~~~	~++	~~~		~~~	+~+	207
					ctc												207
	PIO	PIO		TILL	Leu	СТА	GTII		гаг	GIII	Ата	тте		PIO	HIS	Cys	
246	+++		30	+	a+ a	a++	~~~	35	++~	+	+	~+~	40	aa+	~~~	a+ a	255
		_	_		ctc		_						-		_		255
	Pile	_	Arg	ser	Leu	Leu	_	ser	Pne	ser	туг		Val	нта	ASP	Leu	
250		45					50	.				55					202
					ttc												303
	_	Leu	Ата	ser	Phe		туг	Tyr	тте	Ата		ser	Tyr	Pne	HIS		
254	60					65					70			.		75	251
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	Leu	Pro	GIn	Pro	Phe	ser	Tyr	тте	Ата	_	Pro	vaı	туг	Trp		Leu	
258					80					85					90		200
					ctc												399
	GIN	GIY	Cys		Leu	Thr	GTA	vaı		vaı	тте	Ата	HlS		Trp	GIA	
262				95					100					105			4 4 77
					aga												447
	HIS	HlS		Pne	Arg	Asp	Tyr		Trp	vaı	Asp	Asp		vaı	GLY	Leu	
266			110					115					120				
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	ITe		His	Ser	Ala	Leu		Val	Pro	Tyr	Phe		Trp	Lys	ITe	Ser	
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RAW SEQUENCE LISTING DATE: 12/06/2001 PATENT APPLICATION: US/09/837,751 TIME: 10:40:04

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	_,		_	_		_	a	-	.		~	Dh a		T -		T	
	Phe	vaı	Pro	ьуs	160	Lys	ser	ьуs	ьеu	165	Cys	Pne	Ата	Lys	170	Leu	
278	220	aat	cca	ccc		cga	att	cta	tot		αta	atc	aca	tta		ctt	639
						Arg											000
282	11011	11011	110	175					180					185			
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						Leu											
286	-	-	190		-			195				_	200	_	_	_	
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289	Arg	Leu	Ala	Ser	His	Tyr	Asn	Pro	Tyr	Gly	Pro	Ile	Tyr	Ser	Asp	Arg	
290		205					210					215					
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293	Glu	Arg	Leu	Gln	Val	${\tt Tyr}$	Ile	Ser	Asp	Thr	Gly	Ile	Phe	Ala	Val		
	220					225					230					235	
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	Tyr	Val	Leu	Tyr	_	Ile	Ala	Ala	Thr	_	Gly	Leu	Ala	Trp		Leu	
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						cct											879
	Cys	Thr	Tyr	_	Val	Pro	Leu	Leu		Val	Asn	Ата	Phe		Val	Leu	
302				255					260				+	265	~~~	+~~	027
				_		cat			_	-							927
	ire	Thr	270	Leu	GTII	His	THE	275	ser	Ата	ьeu	PIO	280	TÄT	ASP	ser	
306	+ 00	~ ~ ~		ant.	+ ~ ~	ttg	002		aa.	++~	taa	200		o a t	CGS	aat	975
						Leu											913
310	Set	285	ттÞ	кар	тър	пец	290	СТУ	Ата	пец	SCI	295	Mec	изБ	пту	nsp	
	ttc		ata	tta	aac	aaa		ttc	cat	aac	atc	_	σat.	acσ	cat.	at.t.	1023
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318					320					325					330		
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321	Thr	Lys	Ala	Ile	Lys	Pro	Ile	Leu	Gly	Lys	Tyr	Tyr	Pro	Phe	Asp	Gly	
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						ggt											1215
	vaı		Pro	Asp	vaı	Gly		GIY	GIA	GLY	GTA	375	rys	GIY	vaı	Pne	
330		365				++~	370	. ~ . ~ .			+ ~ ~ .	-,-	+ - ~	+ ~~			1263
			_		_	ttc	taaa	igaco	ga c	Caac	Lgcc	il ya	Lago	Lygo	;		1203
334	_	Tyr	AIG	ASII	гуѕ	385											
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						ia aa			. 900	. 9		5		, - , `			1411
)> SE															
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Use of n and/or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to insure a corresponding explanation is presented in the <220> to <223> fields of each sequence using n or Xaa.

. ", (

VERIFICATION SUMMARY

DATE: 12/06/2001 TIME: 10:40:05

PATENT APPLICATION: US/09/837,751

Input Set : A:\45-00.app

Output Set: N:\CRF3\12062001\1837751.raw

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